

*** U. S. ARMY BALLISTIC RESEARCH LABORATORY ***

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

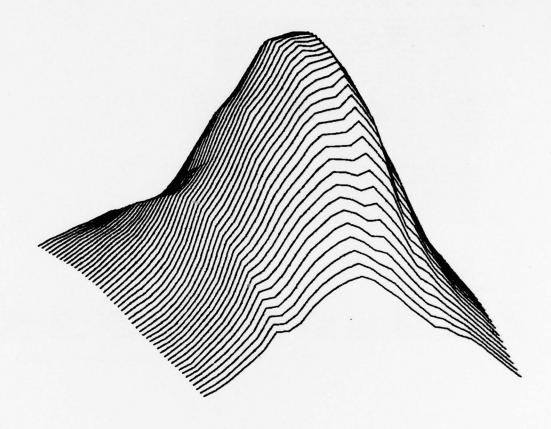
UTRC 17.67, DX=.105, DY=.170 NO OBUIOUS SAT.

LUFF T + SCALE (CM)

Figure 23C. Test Run 17.67 -- 2D Contour Map of Composite Frame

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.67, DX-.105, DY-.170 NO OBUIOUS SAT.



LEFT

Figure 23D. Test Run 17.67 -- 3D Plot of Composite Frame

*** U. S. ARMY BALLISTIC RESEARCH LABORATORY *** RUN DATE: 27-JUL-77 14:44:45

HIGH ENERGY LASER PROGRAM BEAM DIAGNOSTICS

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UNFTP TEST: UTRC 17.68, DX=.105, DY=.170
COMMENTS: NO OBVIOUS SAT.
NACL RUN VL2-***
60 FRAMES FROM 34 ON, TIME 15 36 59.337

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COORD	X	Y								
PEAK	2.047	1.785								
CENT	2.412	2.025								
VARIA	0.001	0.011								
PK100	0.095									
PK98	0.093									
PEAK	1658.000									
CONTUR	0	1	2	3	4	5	6	7	A	9
% PEAK	0.0	3.0	10.0	20.0	40.0	50.9	60.0	70.0	80.0	90.0
LEVEL	0.000	349.749	1105.800	2331.600	4663.200	5829.000	6994.800	8160.600	9326.399	
AREA	26.025	26.025	25.204	19.492	11.192	8. 157	5.730	3.802	2.374	1.142
VOLUME	122441.8	122441.8	121704.5	111926.4	83290.3	67360.7	51945.5	37361.2	24895.4	

Figure 24A. Test Run 17.68 -- Contour Array of Composite Frame

666667778887788890011122222108642075308520753197642 647 697 3 766 883 886 1 966 1 988 1 192 1 192 1 192 1 192 1 192 1 192 1 192 1 193 1 DY= . 170

Test Run Normalization of Composite Frame

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.68, DX-.105, DY-.170 NO OBUIOUS SAT.

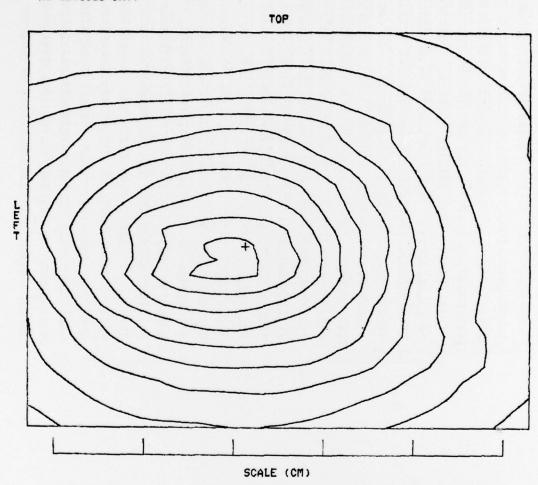
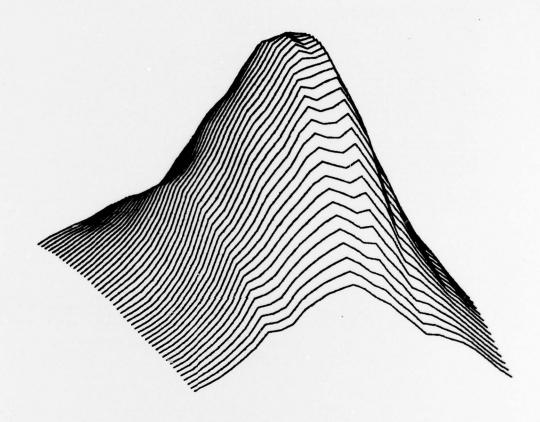


Figure 24C. Test Run 17.68 -- 2D Contour Map of Composite Frame

*** U. S. ARMY BALLISTIC RESEARCH LABORATORY ***

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.68, DX=.105, DY=.170 NO OBVIOUS SAT.



LEFT

Figure 24 D. Test Run 17.68 -- 3D Plot of Composite Frame

*** U. S. ARMY BALLISTIC RESEARCH LABORATORY ***
RUR DATE: 27-JUL-77 14:59:00

HIGH ENERGY LASER PROGRAM BEAM DIACNOSTICS

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UNFTP TEST: UTRC 17.69, DX=.105, DY=.170
COMMENTS: NO OBVIOUS SAT.

RACL RUN V12-***

60 FRAMES FROM 14 ON, TIME 15 39 53.946

COURT | 1280 |
COURT | 1

COORD	X	Y			
PEAK	2.467	2.125			
CENT	2.486	2.021			
VARIA	0.001	0.012			
PK100	0.086				
PK98	0.085				
PEAK 1	14794.000				
CONTUR	0	1	2	3	
% PEAK	0.9	3.0	10.0	20.0	
LEVEL	0.000	443.820	1479.400	2958.800	
AREA	26.023	26.025	25.472	20.492	
VOLUME	171514.4	171514.4	170851.3	159534.8	

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 1479.400
 2958.800
 5917.600
 7397.000
 8876.400
 10355.800
 11835.200
 13314.601

 3
 26.025
 25.472
 20.492
 12.852
 9.818
 7.104
 5.069
 3.374
 1.874

 4
 171514.4
 170851.3
 159534.8
 125915.3
 105775.6
 83746.3
 64108.4
 45267.7
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Figure 25A. Test Run 17.69 -- Contour Array of Composite Frame

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Figure 25B. Test Run 17.69 -- Normalization of Composite Frame

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

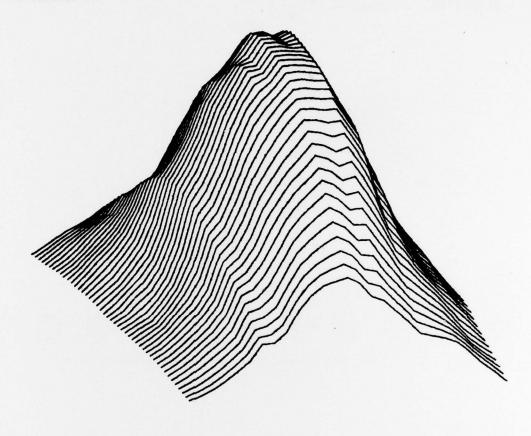
UTRC 17.69, DX=.105, DY=.170 NO OBUIOUS SAT.

SCALE (CM)

Figure 25C. Test Run 17.69 -- 2D Contour Map of Composite Frame

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.69, DX-.105, DY-.170 NO OBUIOUS SAT.



LEFT

Figure 25D. Test Run 17.69 -- 3D Plot of Composite Frame 107

*** U. S. ARMY BALLISTIC RESEARCH LABORATORY *** RUN DATE: 27-JUL-77 15:18:41

HIGH ENERGY LASER PROGRAM BEAM DIAGNOSTICS

PROJECT: UNIFIED NAVY FIELD TEST PROCES

UNFTP TEST: UTRC 17.75, DX=.065, DY=.121
COMMENTS: NO SAT., LASER SPUTTERED: ONLY 16 OF 55 FRS. SHOWED POWER.
NACL RUN VL2-***
55 FRAMES FROM 2 ON, TIME 15 47 27.447

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COORD	x	Y
PEAK	1.657	1.270
CENT	1.689	1.284
VARIA	0.088	0.336
PK100	1.155	
PK98	1.132	
PEAK	1526.000	

CONTUR % PEAK	0	1	2	3	4	5	6	7	8	9
LEVEL	0.000	3.0 45.780	10.0 152.600	20.0 305.200	40.0 610.400	50.0 763.000	915.600	70.0	1220.800	90.0
AREA VOLUME	11.467	1321.6	$\frac{1.864}{1092.5}$	1.227 953.9	0.731 733.9	0.590 636.4	0.409 484.4	0.291 367.2	0.197	0.063

Figure 26A. Test Run 17.75 -- Contour Array of Composite Frame

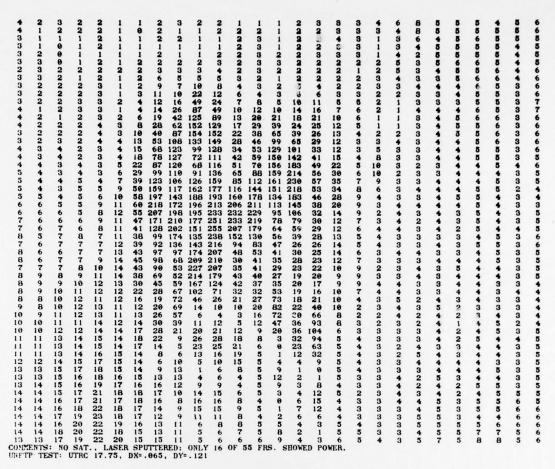


Figure 26B. Test Run 17.75 -- Normalization of Composite Frame 109

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PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.75, DX=.065, DY=.121
NO SAT., LASER SPUTTERED; ONLY 16 OF 55 FRS. SHOWED POWER.

SCALE (CM)

Figure 26C. Test Run 17.75 -- 2D Contour Map of Composite Frame

PROJECT: UNIFIED NAVY FIELD TEST PROGRAM

UTRC 17.75, DX=.065, DY=.121
NO SAT., LASER SPUTTERED; ONLY 16 OF 55 FRS. SHOWED POWER.

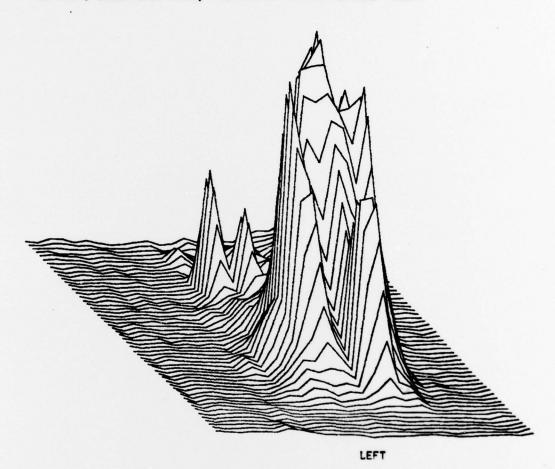


Figure 26D. Test Run 17.75 -- 3D Plot of Composite Frame

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